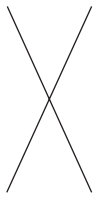


Practice

For use with pages 345–349

1. Describe and correct the error in using the percent equation to find what percent of 125 is 82.


$$\begin{aligned}a &= p\% \cdot b \\82 &= p\% \cdot 125 \\ \frac{82}{125} &= p\% \\0.656\% &= p\%\end{aligned}$$

Use the percent equation to answer the question.

2. What number is 92% of 115?
3. What number is 35% of 80?
4. What number is 21% of 60?
5. What number is 6% of 25?
6. What percent of 70 is 42?
7. What percent of 325 is 78?
8. What percent of 152 is 95?
9. What percent of 315 is 126?
10. 88 is 32% of what number?
11. 49 is 35% of what number?
12. 124 is 80% of what number?
13. 82 is 4% of what number?

Practice

For use with pages 345–349

- 14.** A car salesperson earns 1.5% commission on every car sold. The salesperson sells a car for \$22,500. What is the commission?
- 15.** At the concession stand of a school football game, sandwiches cost \$1.50 and a bottle of water costs \$.90. The school sells 40 sandwiches and 80 bottles of water.
- a.** How much money was made from selling sandwiches? Bottles of water?
- b.** What percent of the money came from sales of sandwiches?
- c.** What percent of the concessions sold was bottles of water?
- 16.** Due to a membership drive for a public television station, the current membership is 125% of what it was a year ago. The current membership is 1200. How many members did the station have last year?
- 17.** Randal answers 96 out of 120 questions correctly on a science exam. What percent of the questions did Randal answer correctly?

Use the percent equation to answer the question when $n = 55$.

- 18.** What is $(n - 5)\%$ of 150? **19.** What percent of 900 is $(n + 20)$?
- 20.** $(3n)$ is 20% of what number? **21.** What is $(2n)\%$ of 540?